

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08a (08-03) (AW 10/2003)
Approved for use through 7/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

<i>Complete if Known</i>	
Application Number	10/806,272
Filing Date	March 22, 2004
First Named Inventor	Yasushi Ayaki, et al.
Art Unit	2131
Examiner Name	To Be Assigned
Attorney Docket No.	MTS-3514US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
/TG/		JP 2001-285284 (with English Abstract)	10/12/2001	Toshiba Corp.	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
Examiner Signature	/Thomas Gyorfi/			Date Considered	08/03/2007

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**

1 Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard SI.3).

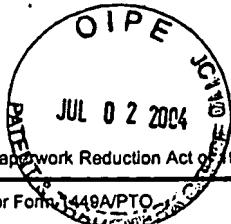
¹For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.
6Any other information which may be necessary to identify the document.

Applicant is to place a check mark here if English language translation is attached.
Collection of information is required by 47 CFR 1.27. 14-22. This information

Applicant is to place a check mark here if English language translation is attached.
The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03) (AW 10/2003)

Approved for use through 7/31/2008. OMB 0851-0031

Approved for use through November 2005. GPO: 2004-093.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 3449AVPTO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 1

Complete if Known

Application Number 10/806,272

Filing Date **March 22, 2004**

First Named Inventor **Yasushi Ayaki, et al.**

Art Unit 2131

Examiner Name To Be Assigned

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/TG/		JP 2000-049852 (with English abstract)	02/18/00	NEC CORP.		<input checked="" type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
Examiner	/Thomas Gyorfi/				Date Considered	08/03/2007

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. Applicant's unique citation designation number (optional):

Applicant's unique citation designation number (optional):
See kind codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

• See **Kind Codes of USPTO Patent Documents** at www.uspto.gov or MPEP 901.04.
• Office that issued the document, by the two-letter code (AIA/US Standard St. 3)

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

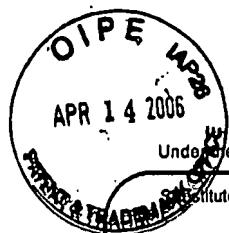
***For Japanese patent documents, the indication of the year of the reign or the Emperor must precede the serial number, except for documents set by the appropriate symbols as indicated on the document under WIPO Standard ST 18, if possible.**

8. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1.16 if possible. Indicate also the language of the document if English language translation is attached.

Applicant is to place a check mark here if English language translation is attached to the following information in 44 CFR 27.252, 1-23, and 1-28. The information is read in English.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



~~Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid OMB control number.~~

PTO/SB/08a (08-03) (AW 10/2003)
Approved for use through 7/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

<i>Complete If Known</i>	
Application Number	10/806,272
Filing Date	March 22, 2004
First Named Inventor	Yasushi Ayaki et al.
Art Unit	2134
Examiner Name	Gregory Allan Morse
Attorney Docket No.	MTS-3514US

SHEET 1 of 2 Attorney Docket No. MTS-3514US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ² - Number ⁴ - Kind Code ⁵ (if known)			
/TG/		CN 1301095 (Corresponding to US 2001/0005890)	06-27-2001	NEC CORP.	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
Examiner Signature	/Thomas Gyorfi/			Date Considered	08/03/2007

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. Applicant's unique citation designation number (optional):

Applicant's unique citation designation number (optional):
See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.4.
Enter Office that issued the document, by the two-letter code (WIPO Standard S13).

Enter Office that issued the document, by the two-letter code (WFO Standard 5.3).
For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number.
Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

Kind of document by the appropriate symbols as indicated on the document header. W/ C stands for C111.16 if possible.

Applicant is to place a check mark here if English language translation is attached to the application. If a check mark is present, the information in the application is to be considered as being in English.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



APR 14 2006

PTO/SB/08b (08-03)

Approved for use through 6/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.~~

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 2 of 2

Complete if Known

Application Number	10/806,272
Filing Date	March 22, 2004
First Named Inventor	Yasushi Ayaki et al.
Art Unit	2134
Examiner Name	Gregory Allan Morse
Attorney Docket No.	MTS-3514US

NON-PATENT LITERATURE DOCUMENTS

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1 Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.